A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01H13/70 G06F3/033

G02F1/133

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01H G06F G02F G09F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

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χ Furt	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.
"A" docum consider filing of the color which citatic "O" docum other "P" docum	ategories of cited documents:  ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but than the priority date claimed	<ul> <li>"T" later document published after the Inte or priority date and not in conflict with cited to understand the principle or th invention</li> <li>"X" document of particular relevance; the cannot be considered novel or cannot lnvolve an inventive step when the document of particular relevance; the cannot be considered to involve an in document is combined with one or ments, such combination being obvio in the art.</li> <li>"&amp;" document member of the same patent</li> </ul>	the application but every underlying the claimed invention to considered to curnent is taken alone claimed invention ventive step when the one other such docu-us to a person skilled
	actual completion of the international search	Date of mailing of the International se	arch report
6	5 February 2004	16/02/2004	
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340–3016	Authorized officer  Nieto, J.M.	



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